

February 22, 2010

Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, SW
Washington, DC 20554

Re: *Amendment of Part 27 of the Commission's Rules to Govern the Operation of Wireless Communications Services in the 2.3 GHz Band* (WT Docket No. 07-293) -- NOTICE OF WRITTEN EX PARTE PRESENTATION

Dear Ms. Dortch:

I am writing pursuant to Section 1.1206(b)(1) of the Commission's Rules to notify the Commission that in response to a request from Robert Weller of the Office of Engineering and Technology, last Friday Kurt Schaubach of the National Rural Telecommunications Cooperative provided the attached document to Mr. Weller.

Pursuant to Sections 1.1206(b)(1) and 1.49(f) of the Commission's Rules, this letter is being filed electronically with the Commission via the Electronic Comment Filing System. Should you have any questions regarding this presentation, please contact the undersigned.

Respectfully submitted,

/s/ Paul J. Sinderbrand

Paul J. Sinderbrand

cc: Robert Weller

Attachment

Out of Band Emissions (OOBE) for WCS Band End User Device

The following out of band emissions plots were provided by the Accton Wireless Broadband, the manufacturer of the Alvarion BreezeMAX WCS band end user device used in the Ashburn testing performed by WCS Coalition, SDARS, and FCC staff on July 28, 2009. The BreezeMAX modem is a PC Card with a PCMCIA adaptor for operation with a laptop. The modem is a WiMAX 802.16e compliant device for fixed, nomadic and mobile wireless access.

The Alvarion end user device is a fully self-contained device with an integrated baseband section, RF section, and antenna. The end user device has an average EIRP of +24 dBm and is configured with transmit power control. The out of band emissions measurements in the figures below were performed in normal (transmitting) mode at transmitted carrier (channel) frequencies of 2305 MHz to 2315 MHz and 2350 MHz to 2360 MHz. The RF output for the device under test was connected to a spectrum analyzer set up for data collection to support acceptance test measurements, i.e. the device was operating at full transmit power (+22 dBm transmit power out before 2 dBi antenna gain). The device meets the required $43+10\log(P)$ at the edge of the occupied 10 MHz channel. As illustrated in the figures below, the device achieves $59+10\log(P)$ of OOBE attenuation at 5 MHz separation from the occupied channel edge, which corresponds to the lower (Sirius) edge of the SDARS band. At a 2.5 MHz separation from the occupied channel edge, the OOBE attenuation achieved by the device is $54+10\log(P)$.

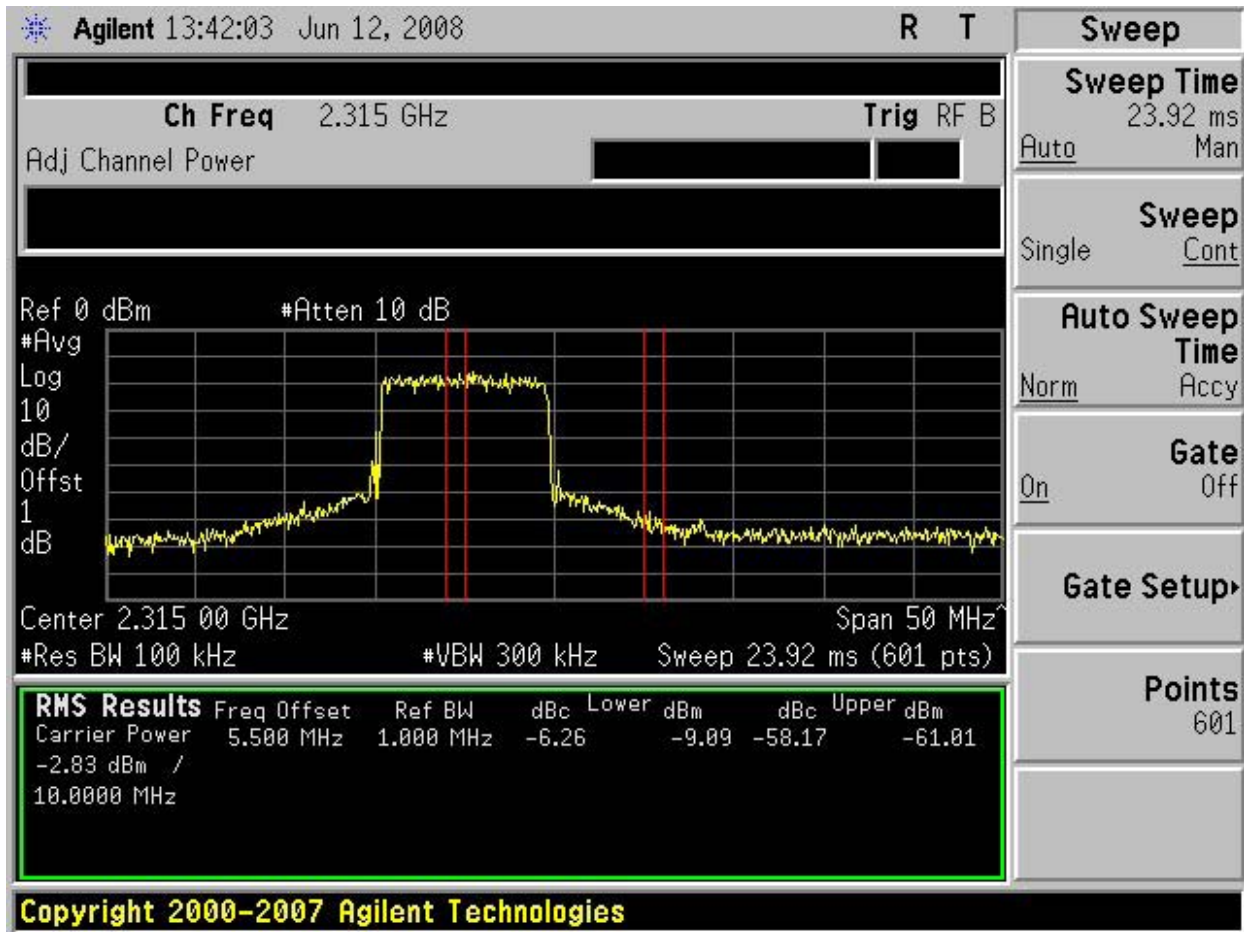


Figure 1. Out of Band Emissions Measurement for WCS Band End User Device operating over A and B lower blocks

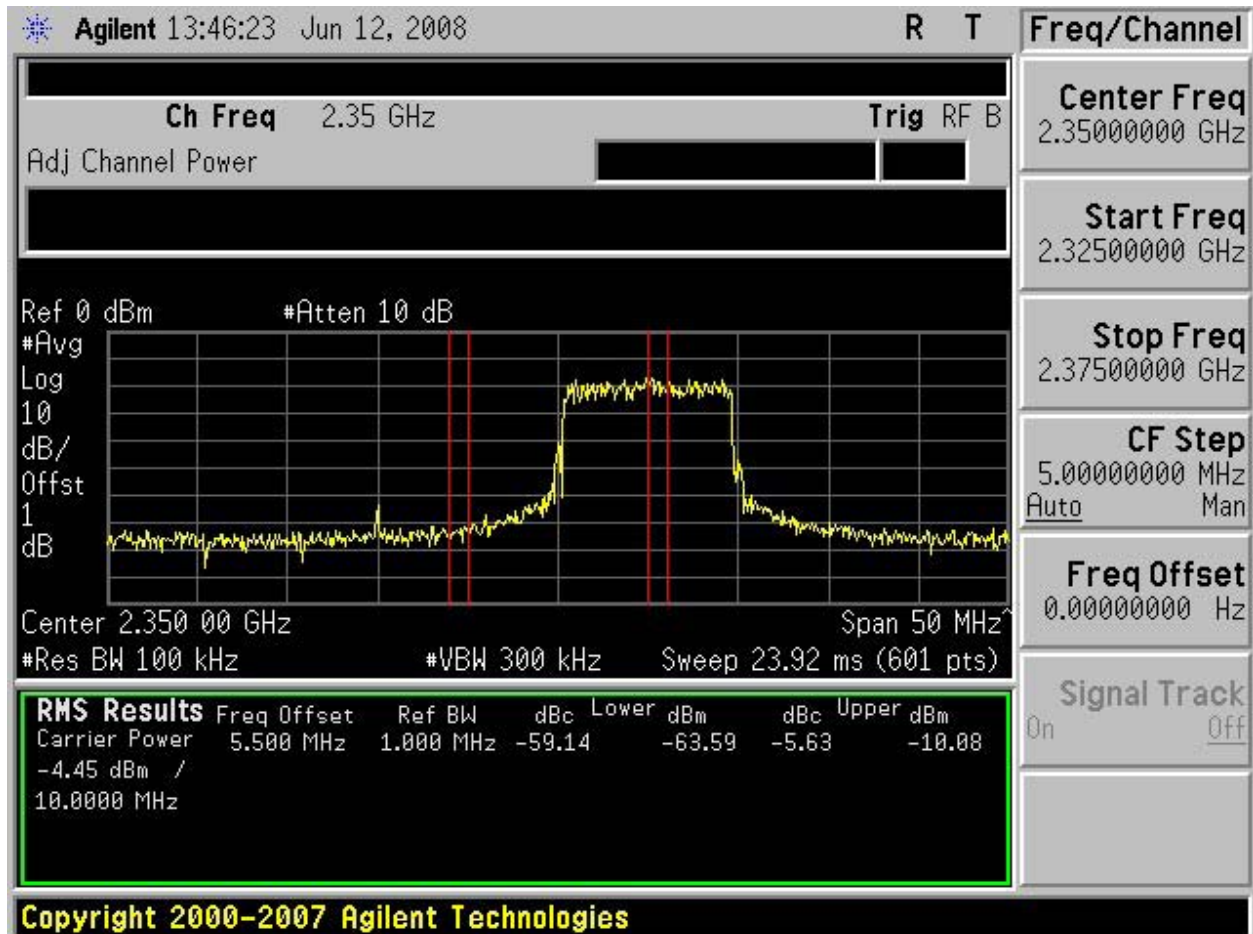


Figure 2. Out of Band Emissions Measurement for WCS Band End User Device operating over A and B upper blocks